In the claims

26. (Twice Amended) A system for generating a high-luminance viewing window on a computer display device, comprising:

a host computer system for running an application program;

a processor device for automatically generating a window control signal in response to said application program;

a window generator device, for receiving said window control signal, and for generating a window information signal; and

a display control device included in said computer display device for receiving a video signal and said window information signal, for processing said video signal in response to said window information signal and for providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon, said display control device including a limiter device for limiting the luminance within the high luminance viewing window.

29. (Amended) The system of Claim 28 wherein said [computer display device includes a] limiter device is coupled to said window generator device and to said HVPS, and said limiter device [for limiting] limits the luminance by limiting the beam current supplied to said CRT device by said HVPS.

36. (Twice Amended) A method for generating a high-luminance viewing window on a computer display device, comprising:

running an application program on a host computer;

generating a window control signal in response to said application program;

generating a window information signal in response to said window control signal;

using a display control device for receiving a video signal and said window information signal, for processing said video signal in response to said window information signal, and for providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon; [and]

providing said processed window information signal to said computer display device for generating said high-luminance viewing window thereon; and

providing a limiter for limiting the luminance within the high-luminance viewing window.

38. (Amended) The method of Claim 37 wherein said limiter is an automatic beam limiter (ABL) device, and comprising:

providing a high-voltage power supply (HVPS) [and an automatic beam limiter (ABL) device] within said computer display device;

generating a high-voltage signal using said HVPS and providing said high-voltage signal to the anode of said CRT device; and

sampling the current of said high-voltage signal using said ABL device, wherein said ABL device determines when to limit beam current supplied to said CRT.

43. (Twice Amended) A computer-readable medium containing instructions for [performing] causing a computer to perform steps comprising:

running an application program on a host computer;

generating a window control signal in response to said application program, said window control signal including a video data signal;

generating a window information signal in response to said window control signal;

using a display control device for receiving a video signal and said window information signal, and for processing said video signal in response to said window information signal; [and]

providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon; and

limiting the luminance via a limiting device within the high-luminance viewing windows.

45. (Twice Amended) A system for generating high-luminance windows on a display device, comprising:

means for running an application program, said application program providing a video data signal;

means for generating a window control signal in response to said application program;

means for generating a window information signal in response to said window control signal;

means for processing said window information signal using a display control device for receiving a video signal and said window information signal; [and]

means for applying a processed video signal to a computer display screen to generate said high-luminance viewing windows; and

means for limiting the luminance within the high-luminance viewing windows.